

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Certificate of Mailing by "Express Mail"
I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington D.C. 20231

Express Mail No. EF408136067US

Mailing Date May 30, 2002

Complete if Known

Application Number 10/087,161

Filing Date 02/27/2002

First Named Inventor Eric H. Erickson Jr. et al.

Group Art Unit 1616

Examiner Name Not yet assigned

Sheet 1 of 3

Attorney Docket Number 0293.99R

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	AA1	5,750,129		Wakarchuk	05/12/1998	entire reference, see in particular, col. 4, line 1 to col. 18, line 39, and col. 5, line 55
	AB1	4,657,926		Pickett et al.	04/14/1987	col. 1, lines 38-43; col. 3, lines 14-15 and 46-49
	AC1	4,780,479		Pickett et al.	10/25/1988	col. 1, lines 40-46; col. 3, lines 17-18 and 54-57
	AD1	5,849,317		Shorey et al.	12/15/1998	col. 3, lines 9-11 and 16-21; col. 7, line 12 to col. 9, line 29; col. 11, lines 13 and 15
	AE1	5,662,914		Shorey et al.	09/02/1997	col. 3, lines 1-3 and 8-13; col. 11, lines 13 and 15
	AF1	6,037,374		Kochansky et al.	03/14/2000	entire reference
	AG1	4,933,371		Hink et al.	06/12/1990	col. 2, lines 9-29; col. 7, lines 32-41; col. 13, line 45 to col. 14, line 15; col. 16, line 20 to col. 21, line 17
	AH1	3,577,515		Vandegaer	05/04/1971	entire reference
	AI1	4,775,534		Bartlett et al.	10/04/1988	col. 4, line 45 to col. 8, line 3
	AJ1	4,867,731		Willard et al.	09/19/1989	entire reference

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	AK1	DE	4012224	A1	Holtmann	10/17/1991	Abstract ; page 2, lines 29-59	
Examiner Signature						Date Considered	6/25/03	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

RECEIVED

RECEIVED

TECH CENTER 1600/2900

JUL 01 2002

Please type a plus sign (+) inside this box ☒

PTO/SB/08A (08-00)













Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		Compl te if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/087,161
		Filing Date	02/27/2002
		First Named Inventor	Eric H. Erickson Jr. et al.
		Group Art Unit	1616
		Examiner Name	Not yet assigned
Sheet 2 of 3	Attorney Docket Number	0293.99R	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AL2	AL-SA'AD, B.N., Free, J.B. and Howse, P.E., "Adaptation of Worker Honeybees (<i>Apis mellifera</i>) to their Alarm Pheromones," <i>Physiological Entomology</i> (1985) 10:1-14	
	AM2	BOCH, R. and Shearer, D.A., "2-Heptanone and 10-Hydroxy- <i>Trans</i> -Dec-2-Enoic Acid in the Mandibular Glands of Worker Honey Bees of Different Ages," <i>Zeitschrift für vergleichende Physiologie</i> (1967) 54:1-11	
	AN2	BOCH, R. and Shearer, D.A., "Chemical Releasers of Alarm Behaviour in the Honey-Bee, <i>Apis Mellifera</i> ," <i>J. Insect Physiol.</i> (1971) 17:2277-2285	
	AO2	BOCH, R., Shearer, D.A., and Petrasovits, A., "Efficacies of Two Alarm Substances of the Honey Bee," <i>J. Insect Physiol.</i> (1970) 16:17-24	
	AP2	BUTLER, C.G., "Mandibular Gland Pheromone of Worker Honeybees," <i>Nature</i> (1966) 212:530	
	AQ2	COLE, L.K. and Blum, M.S., "Antifungal Properties of the Insect Alarm Pheromones, Citral, 2-Heptanone, and 4-Methyl-3-Heptanone," <i>Mycologia</i> (1975) 67:701-708	
	AR2	COLLINS, A.M., Rinderer, T.E., Daly, H.V., Harbo, J.R., and Pesante, D., "Alarm Pheromone Production by Two Honeybee (<i>Apis mellifera</i>) Types," <i>Journal of Chemical Ecology</i> (1989) 15(6):1747-1756	
	AS2	FREE, J.B., Pickett, J.A., Ferguson, A.W., Simpkins, J. R., and Smith, M.C., "Repelling Foraging Honeybees with Alarm Pheromones," <i>J. Agric. Sci. Camb.</i> (1985) 105:255-260	
	AT2	GALLO, J.A.Q., Debeaufort, F. and Voilley, A., "Interactions Between Aroma and Edible Films. 1. Permeability of Methylcellulose and Low-Density Polyethylene Films to Methyl Ketones," <i>J. Agric. Food Chem.</i> (1999) 47(1):108-113	
	AU2	HUANG, Z.-Y., Plettner, E., and Robinson, G.E., "Effects of Social Environment and Worker Mandibular Glands on Endocrine-Mediated Behavioral Development in Honey Bees," <i>J. Comp. Physiol A</i> (1998) 183:143-152	
	AV2	KEANE, S. and Ryan, M.F., "Purification, Characterisation, and Inhibition by Monoterpenes of Acetylcholinesterase from the Waxmoth, <i>Galleria mellonella</i> (L.)," <i>Insect Biochemistry and Molecular Biology</i> (1999) 29:1097-1104	
	AW2	KRAUS, B., "Effects of Honey-Bee Alarm Pheromone Compounds on the Behaviour of <i>Varroa jacobsoni</i> ," <i>Apidologie</i> (1990) 21:127-134	IEC

Examiner Signature

Date Considered

6/25/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

RECEIVED
JUN 06 2002

RECEIVED
JUL 01 2002

Please type a plus sign (+) inside this box ☒

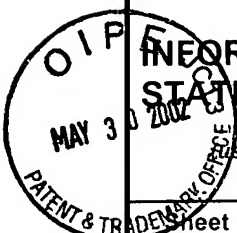
PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

RECEIVED
JUN 06 2002
TECH CENTER 1600/2900



Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/087,161
		Filing Date	02/27/2002
		First Named Inventor	Eric H. Erickson Jr. et al.
		Group Art Unit	1616
		Examiner Name	Not yet assigned
Sheet 3 of 3	Attorney Docket Number	0293.99R	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AX3	LENSKY, Y. and Cassier, P., "The Alarm Pheromones of Queen and Worker Honey Bees," <i>Bee World</i> (1995) 76(3):119-129	
	AY3	NAIK, D.G., Katke, S. Chawda, S.S., and Thomas, D., "2-Heptanone as a Repellent for <i>Apis cerana</i> ," <i>J. of Apicultural Research</i> (1997) 36 (3/4):151-154	
	AZ3	PATTE, F., Etcheto, M., Marfaing, P., and Laffort, P., "Electroantennogram Stimulus-Response Curves for 59 Odourants in the Honey Bee, <i>Apis Mellifica</i> ," <i>J. Insect Physiol.</i> (1989) 35(9):667-675	
	BA3	RIETH, J.P., Wilson, W.T. and Levin, M.D., "Repelling Honeybees from Insecticide-Treated Flowers with 2-Heptanone," <i>Journal of Apicultural Research</i> (1986) 25(2):78-84	
	BB3	RINDERER, T.E., "Sociochemical Alteration of HoneyBee Hoarding Behavior," <i>J. of Chemical Ecology</i> (1982) 8(5):867-871	
	BC3	SAKAMOTO, C.H., Soares, A.E.E. and Lopes, J.N.C., "A Comparison of 2-Heptanone Production in Africanized and European Strains of the Honeybee, <i>Apis Mellifera</i> L.," <i>Journal of Apicultural Research</i> (1990) 29(4):199-205	
	BD3	SAKAMOTO, C.H., Soares, A.E.E. and Lopes, J.N.C., "Relationship Between 2-Heptanone and Some Biological and Environmental Variables in <i>Apis Mellifera</i> L.," <i>Journal of Apicultural Research</i> (1990) 29(4):194-198	
	BE3	SANFORD, M.T., <i>APIS Apicultural Information and Issues from IFAS / University of Florida Dept. of Entomology and Nematology</i> (1997) 15(8)	
	BF3	SHEARER, D.A. and Boch, R., "2-Heptanone in the Mandibular Gland Secretion of the Honey-bee," (1965) 206:530	
	BG3	TROUILLER, J. and Milani, N., "Stimulation of <i>Varroa jacobsoni</i> Oud. Oviposition with Semiochemicals from Honeybee Brood," <i>Apidologie</i> (1999) 30:3-12	
	BH3	VALLET, A., Cassier, P. and Lensky, Y., "Ontogeny of the Fine Structure of the Mandibular Glands of the Honeybee (<i>Apis Mellifera</i> L.) Workers and the Pheromonal Activity of 2-Heptanone," <i>J. Insect Physiol.</i> (1991) 37(11):789-804	
	BI3	VISSCHER, P.K., Vetter, R.S. and Robinson, G.E., "Alarm Pheromone Perception in Honey Bees Is Decreased by Smoke (Hymenoptera: Apidae)," <i>Journal of Insect Behavior</i> (1995) 8(1):11-18	

Examiner Signature		Date Considered	6/25/03
--------------------	--	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

TECH CENTER 1600/2900

JUL 01 2002

RECEIVED

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

(use as many sheets as necessary)

Reduction Act of 1999, no pers

OIP E SC18
OCT 31 2002
PATENT & TRADEMARK OFFICE

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C., on:

October 25, 2002

Complete if Known

Attorney Docket	0293.99R
-----------------	----------

Sheet	1	of	2
-------	---	----	---

U.S. PATENT DOCUMENTS

[illegible]

RECEIVED

NOV 04 2002

TECH CENTER 1600/2900

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Date Considered

6/25/07

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

(use as many sheets as necessary)

Complete if Known

Application Number	10/087,161
Filing Date	02/27/2002
First Named Inventor	Eric H. Erickson et al.
Group Art Unit	1616
Examiner Name	Not yet assigned
Attorney Docket Number	0293.99R

Sheet	2	of	2
-------	---	----	---

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

[illegible]

RECEIVED
NOV 04 2002
TECH CENTER 1600/2900

**Examiner
Signature**

**Date
Considered**

6/25/02

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.